Appendix A: Clean Version of the Pending Claims

12. An isolated nucleic acid, wherein the nucleic acid encodes a protein comprising one of the following amino acid sequences:

YLTKEECLKK NYEEYCTANA	CATVTENATG VTGPCRASFP ENPPLPLGSK		· ·	DSEDHSSDMF	50 100 150 170
YLTKEECLKK NYEEYCTANA ACMLRCFRQQ	SGDDKEQLVK	RASMPRWWYN DLATSRNAAD RWYFDVERNS VVVLAGLFVM	SSVPSAPRRQ CNNFIYGGCR	YGGCDGNSNN DSEDHSSDMF GNKNSYRSEE	-1 50 100 150 200 225
YLTKEECLKK NYEEYCTANA ACMLRCFRQQ	CATVTENATG VTGPCRASFP ENPPLPLGSK SGDDKEQLVK	RWYFDVERNS VVVLAGLFVM	SSVPSAPRRQ CNNFIYGGCR	DSEDHSSDMF GNKNSYRSEE	50 100 150 200 225
YLTKEECLKK NYEEYCTANA	CLVSKVVGRC CATVTENATG VTGPCRASFP ENPPLPLGSK 2);	DLATSRNAAD RWYFDVERNS	AGSFLAWL VTDGSCQLFV SSVPSAPRRQ CNNFIYGGCR	DSEDHSSDMF	-1 50 100 150 179
ACMLRCFRQQ	CATVTENATG VTGPCRASFP ENPPLPLGSK SGDDKEQLVK	RASMPRWWYN DLATSRNAAD RWYFDVERNS VVVLAGLFVM		YGGCDGNSNN DSEDHSSDMF GNKNSYRSEE	-1 50 100 150 200 225

		MAQLCGL	RRSRAFLALL	GSLLLSGVLA	-1
ADRERSIHDF	CLVSKVVGRC	RASMPRWWYN	VTDGSCQLFV	YGGCDGNSNN	50
YLTKEECLKK	CATVTENATG	DLATSRNAAD	SSVPSAPRRQ	DSEDHSSDMF	100
NYEEYCTANA	VTGPCRASFP	RWYFDVERNS	CNNFIYGGCR	GNKNSYRSEE	150
ACMLRCFRQQ	ENPPLPLGSK	VVVLAGLFVM	VLILFLGASM	VYLIRVARRN	200
QERALRTVWS	FGD				213
(SEQ ID NO	:47);				
ADRERSIHDF	CLVSKVVGRC	RASMPRWWYN	VTDGSCOLFV	YGGCDGNSNN	50
		DLATSRNAAD			
		RWYFDVERNS			150
		VVVLAGLFVM			
QERALRTVWS	FGD				213
(SEQ ID NO	:70);				
типғ	CLVSKVVGRC	RASMPRWWYN	VTDGSCOLEV	YGGCDGNSNN	50
YLTKEECLKK			.12000021	1000201101111	64
(SEQ ID NO:					0.1
~	•				
		RASMPRWWYN	VTDGSCQLFV	YGGCDGNSNN	50
YLTKEECLKK					61
(SEQ ID NO:	:5);				
YEEYCTANA	VTGPCRASFP	RWYFDVERNS	CNNFIYGGCR	GNKNSYRSEE	150
ACMLRCFRQ					159
(SEQ ID NO	:6);				
CTANA	VTGPCRASEP	RWYFDVERNS	CNNFTYGGCR	GNKNSYRSEE	150
ACMLRC					156
(SEQ ID NO:	:7);				
TUDE	CLYCKWYCDC	RASMPRWWYN	WTDCCCOI EW	VCCCDCNICNNI	50
		DLATSRNAAD			
		RWYFDVERNS			
ACMLRCFRO	VIOLCIMBIL	KWII DV BICKO	CIVIL 1100CK	CINICIDITE	159
(SEO ID NO:	.3).				133
(OLQ ID NO.	. 5 / /				
		RASMPRWWYN			
		DLATSRNAAD	-		
	VTGPCRASFP	RWYFDVERNS	CNNFIYGGCR	GNKNSYRSEE	150
ACMLRC					156
(SEO ID NO:	:50):				

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN 50
YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DSEDHSSDMF 100
NYEEYCTANA VTGPCRASFP RWYFDVERNS CNNFIYGGCR GNKNSYRSEE 150
ACMLRCFRQQ ENPPLPLGSK VVVLAGAVS 179
(SEQ ID NO:1); and

ADRERSIHDF CLVSKVVGRC RASMPRWWYN VTDGSCQLFV YGGCDGNSNN 50 YLTKEECLKK CATVTENATG DLATSRNAAD SSVPSAPRRQ DS 92 (SEQ ID NO:8).

- 13. The nucleic acid of claim 12, wherein the nucleic acid comprises one of the following nucleic acid sequences: SEQ ID NO:9, 32, 44, 46, 48, 51, and 75.
- 14. A self-replicating protein expression vector, comprising the nucleic acid of claim 12.
- 15. The expression vector of claim 14, wherein the expression vector is capable of expressing a protein that is: (a) glycosylated; or (b) contains at least one intra-chain cysteine-cysteine disulfide bond; or (c) is both glycosylated and contains at least one intra-chain cysteine-cysteine disulfide bond.
- 16. A method of preparing a protein encoded by the nucleic acid of claim 12, comprising:
 (a) inserting the nucleic acid into an appropriate protein expression vector by use of recombinant DNA technology, to create a bikunin expression vector; and
 (b) subjecting the bikunin expression vector to an appropriate protein expression system.
- 17. The method of claim 16, wherein the protein is: (a) glycosylated; (b) contains at least one intra-chain cysteine-cysteine disulfide bond; or (c) is both glycosylated and contains at least one intra-chain cysteine-cysteine disulfide bond.